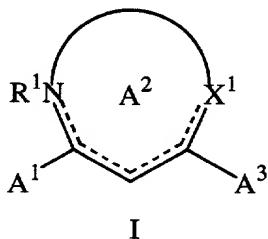


## Substituted 1,4-Thiazepine and Analogs as Activators of Caspases and Inducers of Apoptosis and the Use Thereof

### *Abstract*

The present invention is directed to substituted 1,4-thiazepine and analogs thereof, represented by the general Formula I:



wherein the dashed lines, A<sup>1</sup>, A<sup>2</sup>, A<sup>3</sup>, X<sup>1</sup> and R<sup>1</sup> are defined herein. The present invention also relates to the discovery that compounds having Formula I are activators of caspases and inducers of apoptosis. Therefore, the activators of caspases and inducers of apoptosis of this invention can be used to induce cell death in a variety of clinical conditions in which uncontrolled growth and spread of abnormal cells occurs.